

ABSTRACT OF THE INVENTION

A cursor pointing device can be operated on a surface or a space to control the cursor on a computer display. A vibration sensor is used as a sensor to detect and translate the two-dimensional motion of the cursor pointing device. The vibration sensor is a two-axis accelerometer. When there is a movement of the cursor pointing device, a positioning signal can be generated by calculating the acceleration and the direction of the movement to be sent to the computer.